

Assessing GHG Emissions In California Ricelands



*California Climate
Change Conference*

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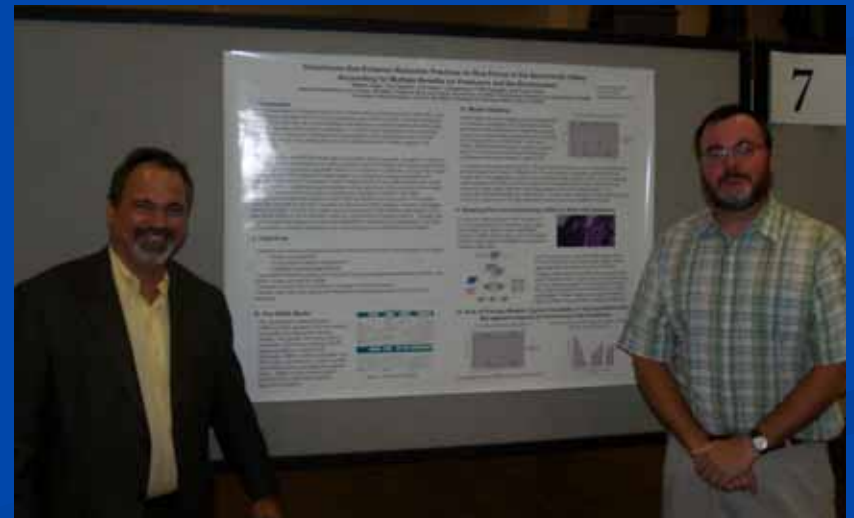
Approved GHG Project

- \$1.2 Million Pilot GHG Project in Rice
 - NRCS approved project (CRC & EDF) to examine methods of reducing/sequestering GHG emissions on rice farms
 - Looking at both in-field & riparian vegetation practices
 - Principal effort is modeling
 - Refining DNDC model to a Cal rice version
 - Pilot projects
 - Economic evaluations



PRELIMINARY* Results

- Straw Removal
 - 1.2 ton per acre
 - @ \$25/ton = \$30/acre
- Mid-season Drainage Event
 - 1 ton per acre
 - @ \$25/ton = \$25/acre
- Nitrogen Management
 - No estimates yet
- Drill Seeding
 - No estimates yet



** Note: No options yet evaluated for economic/agronomic feasibility.*

Drainage Pilot Project

- Rewatering the Field (Plot #1, 30-day)



Drainage Pilot Project

■ Comparison to Control Field



Drainage Pilot Project

■ Field Monitoring



Drainage Pilot Project

■ Drainage Impacts on Rice Plant Growth



Drainage Pilot Project

- Yield Impacts??
 - Yet to be Determined



Questions?

